16i
At

FOUR GREAT LINES OF . . .

# ATLAS "Quieteez"

## OVERHEAD DOORS

*with lifetime gliding, weathertite* **"Dynaseal"**

*plus* **OUTSTANDING ELECTRIC OPERATORS**

ATLAS
"Dynaseal" DOORS
STRENGTH
DEPENDABILITY

**ATLAS OVERHEAD DOOR CO.**

DIVISION OF
INDUSTRIAL CORPORATION OF AMERICA

## *". . . . . . a size and style for every purse and purpose"*

Leading architects, engineers, builders and critical users specify ATLAS Overhead Doors and Electric Operators with confidence, for many good reasons.

They know, for example, that ATLAS custom quality and engineering excellence assures unfailing dependability, harmonizing functional beauty and long lasting satisfaction. That single doors can be furnished from the smallest residence garage size up to 36 feet wide and up to 20 feet high with all types of auxiliary equipment to suit any objective. That the four great lines of standard and made-to-order doors conform to the type of duty and budgetary requirement of each application. That each ATLAS Overhead Door and Electric Operator is designed, engineered, tested, and produced by skilled specialists at the modern coordinated ATLAS production center at Quakertown, Bucks County, Pennsylvania (Delaware Valley, U. S. A.).

Although built to the highest standards, ATLAS Overhead Doors and Electric Operators cost little or no more than other makes. First cost is usually the last cost, resulting in savings year after year. You get unexcelled ATLAS custom quality materials and workmanship; the smooth, easy quiet of "Quieteez" action; lifetime gliding, weathertite "Dyna*seal*" and individually engineered counterbalancing whether you specify the slimline ARGOSY, a quality door for modest budgets; the deluxe SPARTAN, designed to excel all 1⅜" doors; the extra-duty CHAMPION, popular 1¾" A.L.S. "standard of quality" winner, or the unmatched made-to-order IMPERIAL, distinguished special feature line which is truly in a class by itself.

Each leads its field in styling, in quality, in safety and in operating ease. Each is factory guaranteed against defects in workmanship and materials for a full year. Each may be automatically operated, when desired, with one of the outstanding ATLAS Electric Operators described herein.

## *construction features*

### WOODWORK

**MATERIAL:** Clear, kiln dried Douglas Fir and Sitka Spruce is carefully selected for the stiles and rails of ATLAS Overhead Doors because of the high strength, light weight and natural resistance of these woods to all kinds of weather. The panels are of ¼" exterior grade Douglas Fir plywood or ¼" Argoseal, the new everlasting plastic-bonded wood fibre board (except IMPERIAL Doors which are made with ⅜" thick plywood or ⅜" thick Argoseal). Argoseal is the color of natural wood and takes and holds paint better than most materials. It is guaranteed for life against delamination, checking or grain raise, the most frequent complaints against other panel materials, but is not recommended for flush doors. Raised panels (plain or carved) are made of ¾" thick clear, kiln dried solid lumber or ⅜" Argoseal. Sections are sanded smooth and glass sections fitted with wood glass moulding, cut and mitered to exact size.

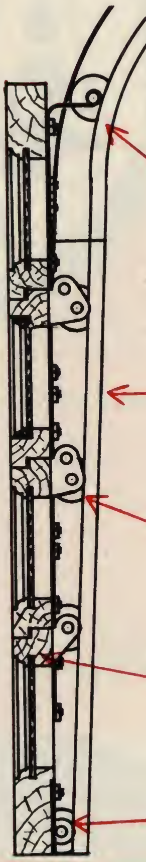
**MORTISE AND TENON JOINTS:** Every ATLAS Overhead Door is stronger and more durable because the stiles and rails are held together by waterproof glued, steel dowel pinned mortise and tenon joints, the strongest known.

### HARDWARE

**MATERIAL:** ATLAS weathertite "Dynaseal" hardware is made of heavy gauge prime steel designed and reinforced to suit the size and weight of the door it is to be used with and factory finished with sprayed aluminum or galvanized. Steel reinforcing struts are included with all two-car residential garage doors and with all made-to-order doors more than 12'3" wide. The size and number of struts furnished is consistent with the door width and overall size.

**COUNTERBALANCE:** Helically wound, oil tempered extension springs are standard with all ATLAS Overhead Doors but torsion springs will be furnished when specified. Both work equally well in most normal installations. Torsion springs, however, are the best choice for doors with more than 24" of high lift, for vertical lift doors, for very wide, low doors (such as 18' x 7'), and in cases where headroom above lintel is ample but is not at the rear of horizontal tracks. Torsion springs should not be used with chain hoist equipment or side mounted electric operators (such as ATLAS "Gearmotor" or "Torque Hoist" models) unless headroom is at least the minimum stated for "chain hoist doors with torsion springs". Extension springs are easiest to adjust, easiest to replace and have longer life expectancy.

## What is ATLAS "Dynaseal"?



"Dynaseal" ball bearing rollers glide freely and float laterally to compensate for building settling and maintain proper alignment of door.

"Dynaseal" Vertical tracks slope away from the jambs from the sill upwards to take door away from stops or jambs for friction-free, quiet, and easy opening.

"Dynaseal" combination hinge-roller carriers are offset to match slope of track to take door snug against stops at sides and top for weathertite fit when closed.

"Dynaseal" ship-lap joints between sections keep wind, rain, and weather out.

"Dynaseal" bottom fixtures allow door to drop ⅜" below floor line (if rebated) for weathertite-ness at bottom.

**BEARINGS:** To insure smooth, easy action, all track rollers and sheave-pulleys are fully ball bearing of seamless steel, except on largest commercial doors, when heavy cast iron sheave-pulleys with high-load pressed-in ball bearings are supplied (and excepting torsion spring doors, which have high-load ball bearing supported cross-head shaft and cable drums instead of sheave-pulleys).

**HINGES and BRACKETS:** Heavy gauge steel hinges and top and bottom corner brackets supplied with all ATLAS Overhead Doors are designed to provide from 3 to 5 times the strength and durability required for the particular door weight.

**LOCKING DEVICE:** A cremone locking device with ¾" wide steel bars running the width of the door and engaging in the tracks, controlled by cast aluminum turn handles on both sides of door, stopped by a 5-pin full size cylinder lock is standard with all ATLAS Overhead Doors, except doors with built-in wicket door and doors with all sections prepared for glass which are supplied with ATLAS "automatic self latch" consisting of two spring-loaded bolts, on either side of door, actuated by a cable running to each, and excepting chain hoist equipped doors which have a locking finger for the hand chain attached to the track, and excepting electric operated doors which are locked by the electric operator itself.

**SPECIAL EQUIPMENT** is available with CHAMPION and IMPERIAL made-to-order doors and is described on commercial data pages. Also special design doors for service stations.

**ELECTRIC OPERATORS** are available for all ATLAS and other makes of Overhead, Vertical Lift and Rolling Steel Doors.

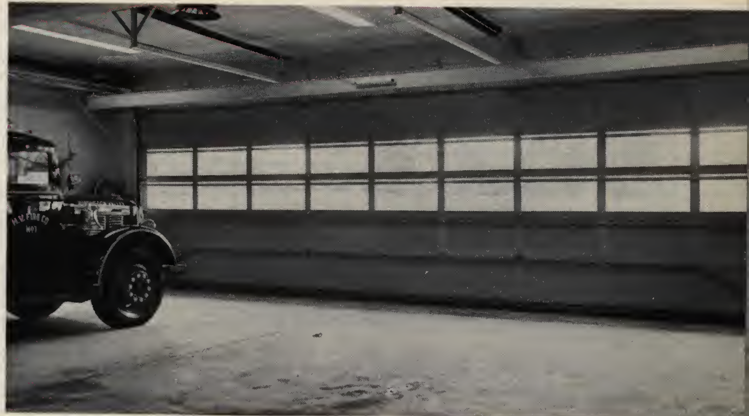
# ATLAS *custom quality* OVERHEAD DOORS

**FOR COMMERCE AND INDUSTRY**

Every Atlas COMMERCIAL or INDUSTRIAL overhead door is made-to-order to be certain it will be "right" for its objective and to provide individuality, smart appearance, smooth, quiet, easy operation with unmatched security and protection, within budgetary requirements.

With four great lines to pick from . . . each made in both the "Traditional" and the "Modern" styling with choice of panels (plywood, Argoseal or solid raised panels) and choice of counterbalance (extension or torsion springs) . . . it's an easy matter to select the door which best suits your purse and purpose.

If price is primary and the size is not large, ARGOSY will fill the bill. If you need a door with extra stamina and longer life or such optional features as high lift, wicket door, chain hoist or reverse angle mounted tracks for steel jamb attachment, consider the CHAMPION, popular priced "standard of quality" winner, which equals or excels the industry's best. If, however, you require a door that's truly outstanding, only the distinguished IMPERIAL will do. Priced slightly higher than other doors, it's made from oversize lumber with 50% thicker panels and tenons. It may also be ordered made of special woods and special construction and with any special features or equipment made by ATLAS. Choice No. 4 is the SPARTAN, which is intended primarily for those residence garages which require a 1⅜" made-to-order door. This excellent door, however, can also be successfully used in light commercial applications.



This IMPERIAL "Modern" door is 36 ft. wide x 10 ft. high with extra heavy duty hardware, 3" track, double center tracks, 4 pairs of extension springs arranged to lift the door from 4 points, 1 H.P. "Gearmotor" electric operator with brake and auxiliary chain hoist.

## 4 brands—each in two stylings . . . . . . *construction data/brands*

### ARGOSY

Made-to-order in any size to 145 sq. ft. area, (maximum of 6 sections) not more than 16 ft. wide or 12'6" high in 1¾" A.L.S. thickness, this slimline quality door for modest budgets has sturdy mortise and tenon joints with 5¼" bottom rail; 3½" top rail, end and center stiles; 3" intermediate rails and 2½" intermediate stiles. The ATLAS "Dynaseal" hardware is standard gauge with embossed hinges. Flush-one-side construction is optional. Low headroom track available with these doors when required but no wicket doors or other special equipment except electric operators.

### SPARTAN

Made-to-order in any size to 145 sq. ft. in area (maximum of 6 sections), not more than 18 ft. wide or 12'6" high in 1⅜" thickness. The 5¼" bottom rail; 4½" intermediate rails; 3½" top rail, end, center and intermediate stiles (except "Traditional" model which has 2½" intermediate stiles) are blind mortise and tenon jointed, waterproof glued and steel dowel pinned under hydraulic pressure. The hardware is extra gauge ATLAS "Dynaseal". Optional equipment: low headroom roller arms, low headroom track. No wicket doors or other special equipment except electric operators.

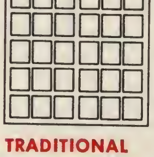
### CHAMPION

Made-to-order in any size to 240 sq. ft. in area, not more than 20 ft. wide, in 1¾" A.L.S. thickness. The bottom rail is 5¼" (7½" if door has built-in wicket door or if it is 16 ft. wide or wider and more than 170 sq. ft. in area); 4½" intermediate rails; 5¼" top rail; 5¼" end stiles (7½" if door is 170 sq. ft. in area or over); center stiles 5¼"; intermediate stiles 2½" on "Traditional" doors; intermediate and center stiles 3½" on "Modern" doors;—blind mortise and tenon jointed, waterproof glued and steel dowel pinned under hydraulic pressure. The ATLAS weathertite "Dynaseal" hardware is heavy gauge prime formed steel designed and reinforced to suit the size and weight of each door. These doors can be supplied with built-in wicket door, flush construction, solid staved sections, high lift, vertical lift, chain hoist, center track, 3" track, removable post for between doors, automatic fire house door release, metal covered sections and all other optional auxiliary equipment.

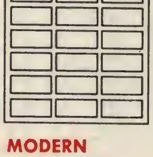
### IMPERIAL

Made-to-order in any size to 36 ft. wide in 1¾" and 2¼" full thickness from special oversize Douglas Fir or Sitka Spruce, and from other species when required. Width of stiles and rails is same as CHAMPION (above) or wider, unless otherwise specified. They are blind mortise and tenon jointed, of course, with ⅜" panels and tenons for greater strength than all other doors. The ATLAS "Dynaseal" hardware is best heavy duty type with 2" track of .093" rolled steel up to 250 sq. ft. in area and extra heavy duty with 3" track of .125" rolled steel over 250 sq. ft., designed and reinforced to suit the size and weight of each door. Every type of optional equipment, including all items mentioned for CHAMPION doors above, plus horizontal or vertical batten construction, WIDELITE construction with narrow steel reinforced intermediate rails and clear plastic or aluminum muntins, etc. will be supplied with IMPERIAL doors when specified.

### STYLINGS



TRADITIONAL



MODERN

| Panels Per Section: | Traditional | Modern |
|---|---|---|
| Less than 7'6" wide | 4 | 2 |
| 7'6" to 11'6" wide | 6 | 3 |
| 11'7" to 15'6" wide | 8 | 4 |
| 15'7" to 19'6" wide | 10 | 5 |
| 19'7" to 24'6" wide | 12 | 6 |

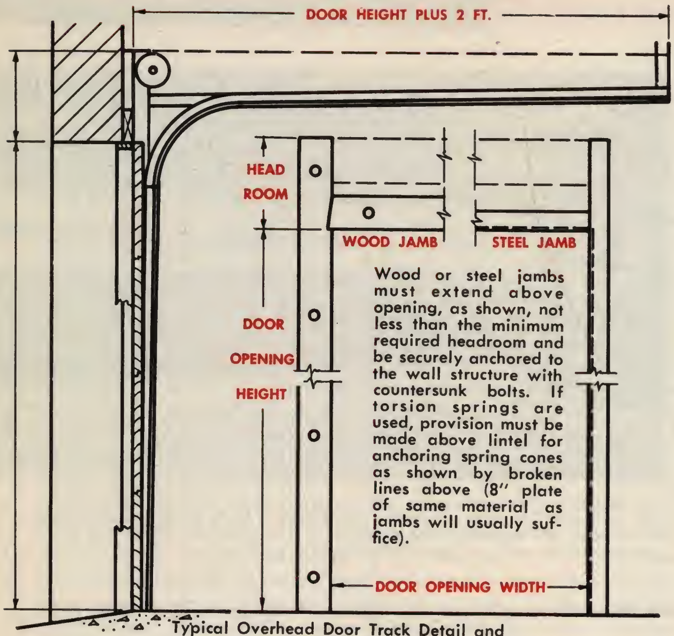
| Sections Per Door: | Traditional | Modern |
|---|---|---|
| Less than 6'3" high | 3 | 4 |
| 6'3" to 8'7" high | 4 | 5 |
| 8'8" to 10'7" high | 5 | 6 |
| 10'8" to 12'7" high | 6 | 7 |
| 12'8" to 14'7" high | 7 | 8 |

### glass and glazing

Any, all or no sections will be prepared for glass as specified. We strongly urge, however, that double strength clear or other ⅛" thick glass only be used. Lighter glass is not durable and heavier glass such as ¼" plate, ¼" obscure or clear wire glass will unbalance the door and make it less easy to operate and may necessitate extra reinforcement to prevent sag when open.

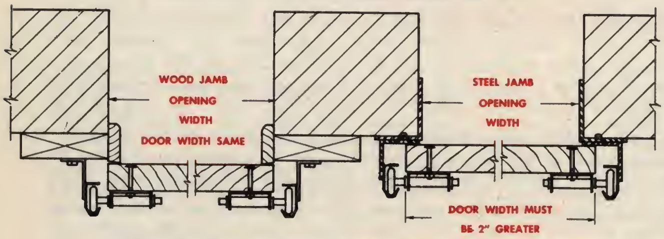
### what to specify

You can be sure you'll get exactly the kind of door you want if you specify as follows: 1. The make: ATLAS; 2. The brand: ARGOSY, SPARTAN, CHAMPION or IMPERIAL; 3. The model: Traditional, Modern or Special (any non-standard panel arrangement, flush, batten or other design); 4. The door size (width first, height second and thickness third); 5. The opening size (width first, height second); 6. Kind of jambs: wood or steel; 7. Kind of panels in door: ¼" Argoseal or plywood (⅜" in IMPERIAL only), raised panels; 8. Kind of springs: Extension or Torsion; 9. Section(s) for glass: (Bottom section is always number one. Third section is eye level in "Traditional" doors, fourth section is eye level in "Modern" doors); 10. Kind of glass: Double strength clear, double strength obscure, other; 11. Kind of operation: Manual (push up by hand), chain hoist, electric; 12. Special features: Low headroom (the type), high lift (the clearance required), 3" track, center track, automatic fire door release, removable post between two or more doors, vertical lift, Type A, B, or C astragal, wicket door, Atlasealer (anti-rot anti-termite) treatment, prime coat of white lead-in-oils, etc.

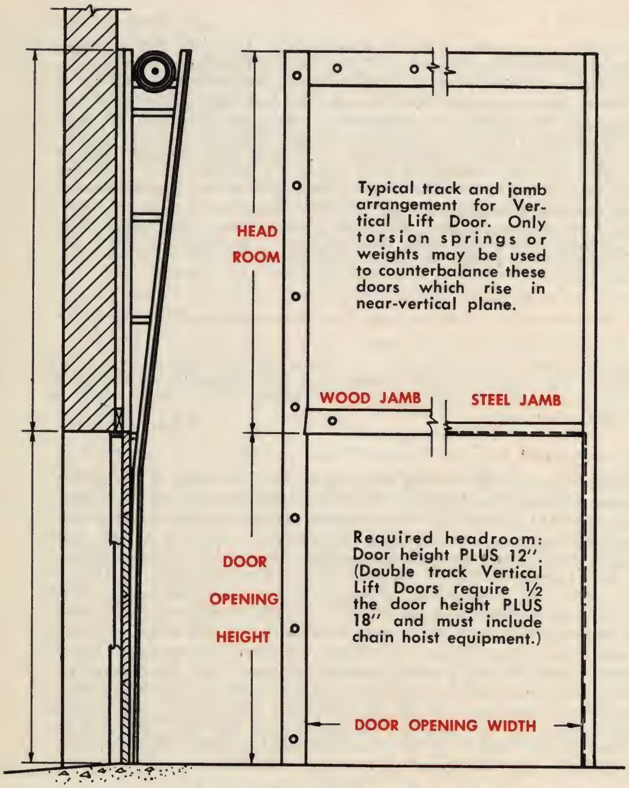


Wood or steel jambs must extend above opening, as shown, not less than the minimum required headroom and be securely anchored to the wall structure with countersunk bolts. If torsion springs are used, provision must be made above lintel for anchoring spring cones as shown by broken lines above (8" plate of same material as jambs will usually suffice).

Typical Overhead Door Track Detail and Correct Wood or Steel Jamb for it.



Typical wood and typical steel jamb arrangement. Door size should be same as finished opening size if WOOD jambs are used. Door size MUST be 2" wider and 1" higher than opening size if STEEL jambs are used.



Typical track and jamb arrangement for Vertical Lift Door. Only torsion springs or weights may be used to counterbalance these doors which rise in near-vertical plane.

Required headroom: Door height PLUS 12". (Double track Vertical Lift Doors require ½ the door height PLUS 18" and must include chain hoist equipment.)

Typical Vertical Lift Door Track Detail and Correct Wood or Steel Jamb for it.

## minimum clearance

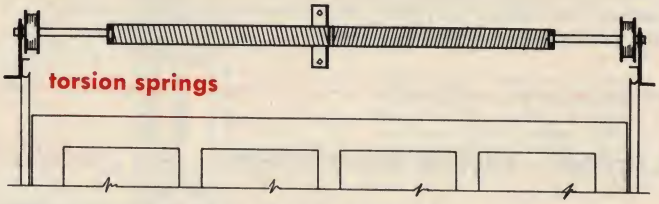
***NOTE: Provide extra headroom and/or sideroom as stated on electric operator page if door will have such equipment.***

| MINIMUM HEADROOM 2" TRACK (ADD 1½" IF 3" TRACK USED) | | 4 Section Doors Only | 5 Section Doors Only | 6 Section Doors Only | 7 Section Doors Only |
|---|---|---|---|---|---|
| Use FOR EXTENSION SPRING DOORS ONLY | Standard Hardware | 14" | 15" | 16" | 17" |
| | Single Track Low HR.† | 9" | 10" | 11" | 12" |
| | Double Track Low HR.* | 7" | 8" | 9" | 10" |
| | Standard Chain Hoist | 20" | 22" | 24" | 26" |
| | Single Track LHR Ch.Hst. | 16" | 17" | 18" | 19" |
| | Double Track LHR Ch.Hst.* | 11" | 12" | 13" | 14" |
| FOR TORSION SPRING DOORS ONLY | Standard Hardware | 14" | 15" | 16" | 17" |
| | Single Track Low HR.† | 12" | 13" | 14" | 15" |
| | Single Track Low HR.*† | 10" | 11" | 12" | 13" |
| | Double Track Low HR.** | 7" | 8" | 9" | 10" |
| | Standard Chain Hoist | 20" | 22" | 24" | 26" |

*Outside Lift; **Outside Lift with Drums at Rear of Tracks.
†This type Low Headroom Hardware not available in 3" Track.

SIDEROOM: All doors to chain hoist size: 3½" on each side. Chain hoist doors require 7" on operating side (11" if disengaging chain hoist), 4½" on other side. If steel jambs, add 1" to above. If 3" track, add 1½" more.

## OPTIONAL EQUIPMENT

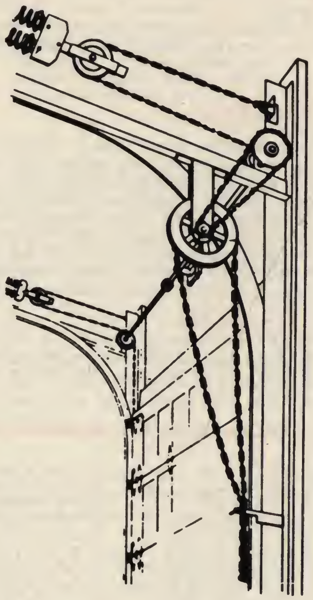


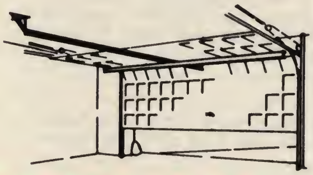
### torsion springs

Optional equipment with all ATLAS made-to-order overhead doors; standard equipment with all vertical lift doors; recommended equipment with all high lift doors. Mounted on a continuous shaft with a grooved cable drum on each end, they must raise and lower both sides of door evenly. "Lightning Lift" and "Torque Lift" Electric Operators are the best choice when torsion springs are used (except Vertical Lift and High Lift Doors which require "Gearmotor" or "Torque Hoist" operators).

### chain hoist

Fully ball bearing heavy duty chain hoists with 4 to 1 ratio enable even the largest ATLAS DOORS to operate as fast and easily as those of moderate size. Recommended for use with all doors 17 ft. wide or wider; 13 ft. high or higher or 160 sq. ft. or more. Auxiliary Chain Hoist with disengaging mechanism should be specified if door will also be electric motor operated.



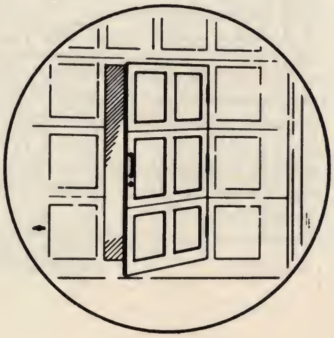


### center track and girder

Recommended equipment for all ATLAS Overhead Doors 20 ft. wide and wider. Required equipment with all doors over 24 ft. wide (15 ft. wide and wider if door is built with wicket door) to distribute door weight and prevent sag when open. Includes special rollers attached along vertical center line of door which run onto a 3" horizontal steel I beam supported by a 6" transverse junior beam. REQUIRED HEADROOM: Not less than 20" (total). SIDEROOM: Not less than 6" on each side (total).

### wicket door

A small pass door can be built into any size CHAMPION or IMPERIAL Door when required. ATLAS Wicket Doors are made to open out only (for safety) and are fitted with three very heavy spring hinges to assure self closing. A separate cylinder lock provides access with security. Approximate size: 2'6" wide 5'3" high. NOTE: Center track and girder is required with Wicket Door if parent door is 15 ft. wide or wider.



**ATLAS**

# *custom quality* OVERHEAD DOORS

## FOR SERVICE STATIONS

Today's service stations are vastly superior to those of a few years ago and so too are today's ATLAS Overhead Doors for Service Stations. These fine doors combine the inherent natural advantages of structurally strong, clear, kiln dried Douglas Fir, grain selected for maximum durability, with sturdy mortise and tenon joints, waterproof glued and steel dowel pinned under hydraulic pressure with further strengthening, when needed, by husky concealed steel bars. Thus, plastic, aluminum or narrow wood muntins may be safely used in these doors without the glass breakage problems encountered in other doors.

All ATLAS Overhead Doors for Service Stations are made-to-order in choice of CHAMPION and IMPERIAL Specifications. The CHAMPION equals or excels all other make overhead doors but the IMPERIAL soon justifies its small extra cost because of its greater ability to stand the very rough treatment most service station doors get.

Oil company designers and construction engineers have very definite styling and construction requirements for the doors for each service station. We are always glad to cooperate with them in putting their ideas into substance and invite them to call on us toward this end. Matching fixed panels and matching "walk-in" doors and transoms will be included, when specified.

Special design door for Mobil Service Stations with 10" bottom rail, narrow, steel reinforced intermediate rails and aluminum muntins, all sections glazed, matching "walk-in" door and transom and vertical fixed panel.

## HIGH LIFT EQUIPMENT

Required with most service station doors (and with many other commercial and industrial doors, too) to take the door higher than normal when open. There are two general types of high lift equipment . . . standard and made-to-order.

Standard high lift uses larger radii to take the door 12", 18", or 24" above top of door opening when open. Extension spring counterbalance is standard. Torsion springs are optional.

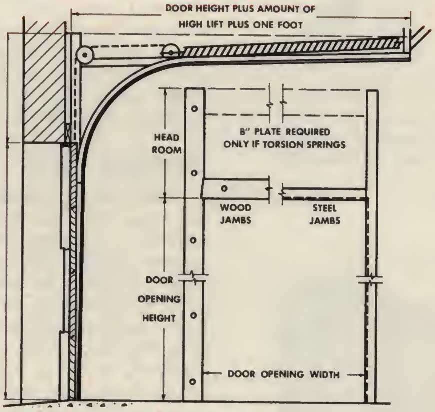
Made-to-order high lift, as the name implies, will be made any specified height up to ⅔ of door height but not over 8 ft. of high lift. Extension springs are standard, torsion springs optional, up to 24" of high lift. Torsion springs are standard if more than 24" of high lift.

## what to specify

*(For Service Station Doors Only.)*

You can be sure to get exactly the kind of Service Station door you want if you specify as follows: 1. The make: ATLAS; 2. The brand: CHAMPION or IMPERIAL; 3. The model: name of oil company; number of panels wide; number of sections high; flush or solid staved bottom section and its height if either are required; narrow steel reinforced intermediate rails, if required; plastic, aluminum or wood intermediate muntins and their width; any other design features; 4. The door size: width first, height second and thickness third; 5. The opening size: width first, height second; 6. Kind of jambs: wood or steel; 7. Kind of panels in door, if any: Plywood or Argoseal; 8. Kind of springs: Extension or torsion; 9. Section(s) for glass: (Bottom section is always number one); 10. Kind of glass: Double strength clear, etc.; 11. Kind of operation: Manual (push up by hand), chain hoist, electric; 12. Special features: Low headroom, high lift (standard or made-to-order and the amount), type A, B or C astragal, wicket door, Atlasealer (anti-rot, anti-termite) treatment, prime coat of white lead-in-oils, etc.

## standard high lift


DOOR HEIGHT PLUS AMOUNT OF HIGH LIFT PLUS ONE FOOT
HEAD ROOM
8" PLATE REQUIRED ONLY IF TORSION SPRINGS
WOOD JAMBS
STEEL JAMBS
DOOR OPENING HEIGHT
DOOR OPENING WIDTH

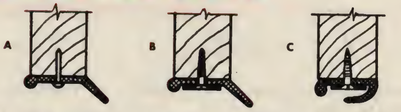
## minimum clearance

*(High lift doors only.)*

HEADROOM: 12" PLUS the amount of high lift. (If necessary, doors up to 120 sq. ft. in area can be made to operate in 8" PLUS the amount of high lift). When chain hoists and/or side mount electric operators are used with 24" or higher high lift doors or with vertical lift doors with torsion springs, headroom requirement is also 12" PLUS the amount of high lift. If "Gearmotor" or "Torque Hoist" electric operator will be mounted above crosshead shaft, add the amount indicated on electric operator page.

SIDEROOM: Same as for standard doors.

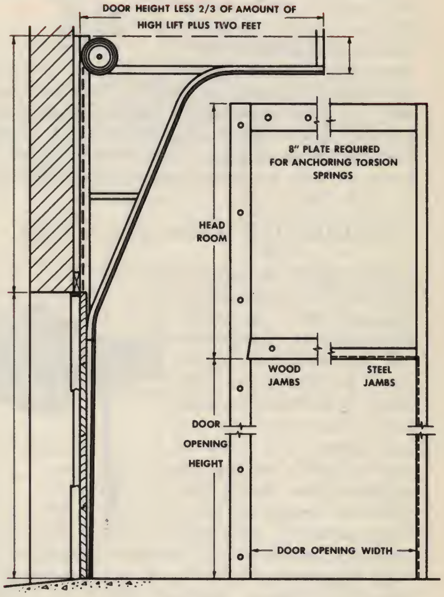
## astragal weatherstrips



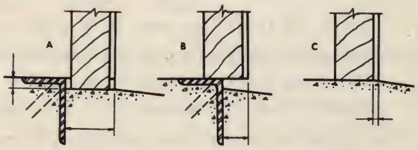
"A" is plain moulded rubber attached to bottom of door with large head nails. "B" is the same rubber attached to bottom of door with 1" x ⅛" steel strip and countersunk wood screws. "B" also available of moulded Neoprene oil resistant rubber with aluminum mounting strip. Protruding lip of "A" and "B" astragal should be toward exterior of building.

"C" is same as "B" except it turns under door.

## made-to-order high lift


DOOR HEIGHT LESS 2/3 OF AMOUNT OF HIGH LIFT PLUS TWO FEET
8" PLATE REQUIRED FOR ANCHORING TORSION SPRINGS
HEAD ROOM
WOOD JAMBS
STEEL JAMBS
DOOR OPENING HEIGHT
DOOR OPENING WIDTH

## sill details



"A" allows door to go below the inside floor level for less "under door" draft. It must be kept cleaned out always or it loses its advantage. Vertical face of angle should be set 2¼" back from inside face of jamb.

"B" allows door to come down on top of inside floor level and is least likely to be affected by dirt accumulations and ice. Vertical face of angle should be set 1" back from inside face of jamb.

"C" provides no rebate but is very satisfactory if floor slopes downward from outside face of door. The line on the right hand side of each drawing is the inside face of jamb.

ATLAS

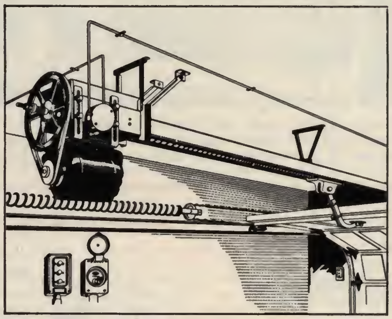
# *automatic* ELECTRIC OPERATORS

**FOR COMMERCIAL AND INDUSTRIAL DOORS**

## ATLAS "Drawbar" ELECTRIC OPERATORS

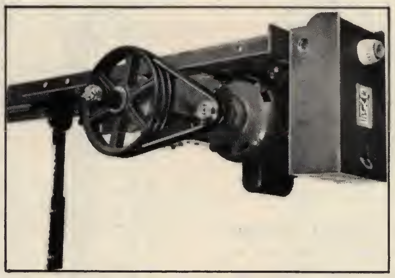
These husky operators lift the door by a "drawbar" attached to the center of the top section of the door. They require no auxiliary equipment, but when used with a chain hoist it should be of the disengaging type. Momentary Contact models include one 3-button (up-down-stop) inside control; Constant Contact models include one 2-button (up-down) inside control. For use with all extension and torsion spring overhead doors but not with High Lift or Vertical Lift Doors.

### "LIGHTNING LIFT" Silent Spiral Shaft Type



These rugged, fully ball bearing precision design operators are the finest, quietest, and most durable "drawbar" type made. Designed for dependable service even in continuous use, they feature silent spiral shaft drive; long life, grease packed Power Lift block of special steel; safety friction clutch; magnetic reversing contactor with mechanical interlock and overload protection; easy-adjust limit switches; ATLAS Floating Bearings for positive protection against misalignment and excessive wear. Normal speed 1½ ft. door travel per second. Optional equipment includes solenoid brake and ATLAS Safety Control which shuts off power if door encounters obstruction when closing.

### "TORQUE LIFT" Roller Chain Type



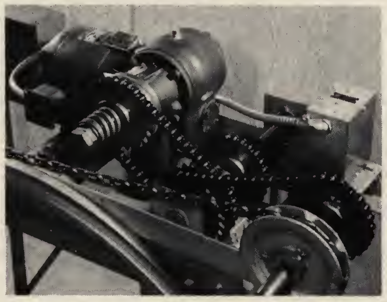
These sturdy all purpose operators were designed primarily for use where headroom is limited but are suitable for almost any normal overhead door. Featuring all-welded steel construction, the roller chain drive runs in heavy double tracks, with safety friction clutch, limit switches, magnetic reversing contactor with mechanical interlock and overload protection. Double V-belt drive on ½ H.P.; gear reduction on ¾ H.P. models. Normal speed 1 ft. door travel per second. Optional equipment includes solenoid brake and provision for radio control.

| H.P. | MAXIMUM OVERHEAD DOOR SIZE |
|---|---|
| ¼ | Up to 128 sq. ft.; not over 18 ft. wide or 10 ft. high |
| ⅓ | Up to 175 sq. ft.; not over 20 ft. wide or 14 ft. high |
| ½ | Up to 250 sq. ft.; not over 20 ft. wide or 15 ft. high |
| ¾ | Up to 375 sq. ft.; not over 30 ft. wide or 16 ft. high |

## ATLAS "Jackshaft" ELECTRIC OPERATORS

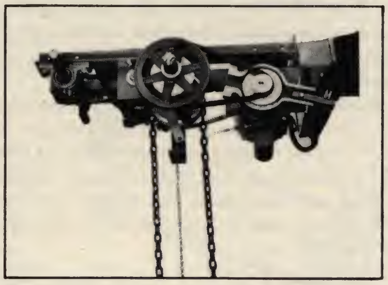
These powerful operators lift the door by turning the crosshead shaft of chain hoist equipped overhead doors or the torsion spring shaft of high lift, vertical lift or rolling steel doors. An auxiliary chain hoist can be built in when required. Momentary Contact models include one 3-button (up-down-stop) inside control; Constant Contact models include one 2-button (up-down) inside control. They mount at either side of door or above the crosshead shaft at the center. Normal speed ¾ ft. of door travel per second.

### "GEARMOTOR" Enclosed Reduction Gear Type



The toughest and most durable door operators made today. Designed for unusual and "brute" jobs, they feature 48 to 1 reduction with gears enclosed in oil, large area safety friction clutch, self contained rotary limit switches, heavy duty magnetic contactor with mechanical interlock and over-load protection. Optional equipment includes electrical disc brake, ATLAS Safety Control which shuts off power if door encounters obstruction while closing, explosion proof components, J.I.C. equipment.

### "TORQUE HOIST" V-Belt, Gear and Roller Chain Type



A lower priced, competitive line of side-mount operators for long trouble-free service with such quality features as safety friction clutch, gear driven limit switches, magnetic reversing relay with mechanical interlock, motor overload and low voltage protection, solenoid brake to prevent coast and to securely lock door.

| H.P. | MAXIMUM WOOD– | MAXIMUM STEEL DOOR SIZE |
|---|---|---|
| ¼ | Up to 140 sq. ft.; | Up to 100 sq. ft. |
| ⅓ | Up to 195 sq. ft.; | Up to 140 sq. ft. |
| ½ | Up to 275 sq. ft.; | Up to 195 sq. ft. |
| ¾ | Up to 425 sq. ft.; | Up to 300 sq. ft. |

### minimum clearances

"Lightning Lift" models require 9"; "Torque Lift" models require 3" above top of door rise when opening, 5 ft. more than door height into building. "Gearmotor" and "Torque Hoist" models require 24" total sideroom on operator side of door. If mounted above crosshead shaft, 15" extra headroom is required but no extra sideroom.

---

### what to specify

You can be sure you'll get exactly the kind of electric operator you want if you specify as follows: 1. The make: ATLAS; 2. The brand: "Lightning Lift" heavy duty spiral shaft type with self contained limit switches and floating shaft bearings / "Torque Lift" roller chain type with double tracks and adjustable limit switches / "Gearmotor" extra heavy duty side mount type with 48 to 1 geared reduction, with the gears immersed in an oil bath and with self-timing rotary limit switches / "Torque Hoist" side mount type with V-belt, gear and roller chain reduction, adjustable limit switches; 3. The model: Constant Contact or Momentary Contact; 4. The capacity: Horsepower of motor; 5. Electrical characteristics: Voltage, cycles and phase, A.C.; 6. Features: (the following are included in all ATLAS Commercial Operators) safety friction clutch, heavy duty magnetic reversing relay with mechanical interlock and overload protection; 7. The quantity of control stations for each operator and the type (interior or exterior push buttons, key switches, celiing pull switches); 8. Special Equipment ATLAS Safety Control ("Lightning Lift" and "Gearmotor" only), Chain Hoist disengaging device ("Gearmotor" and "Torque Hoist" only), Radio Control ("Torque Lift" and "Torque Hoist" only), Explosion proof motor and controls ("Gearmotor" only).

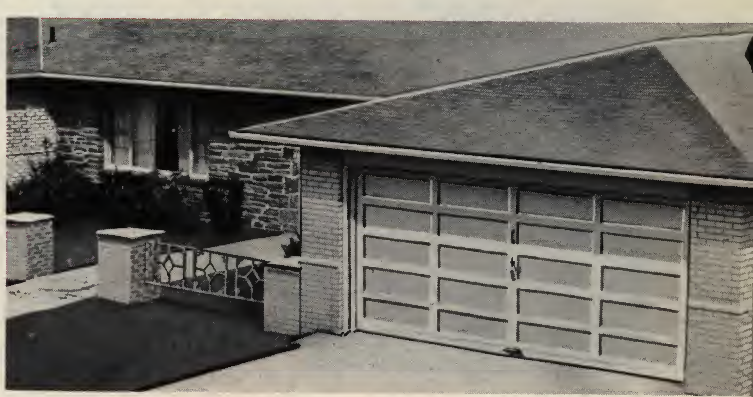
**ATLAS OVERHEAD DOOR CO.** DIVISION
**INDUSTRIAL CORPORATION OF AMERICA** QUAKERTOWN, PENNSYLVANIA

# ATLAS *custom quality* OVERHEAD DOORS

## FOR RESIDENTIAL GARAGES

Harmony is beauty . . . and the beauty of the stock designs in the three series below is durably functional. So, whether you elect to use one of these attractive designs as is, with the new everlasting ¼" Argoseal panels (which cannot check or delaminate); or with ¼" Douglas Fir exterior plywood panels (with or without decorative appliques); or with special plain or carved raised panels . . . or a special made-to-order design of your own—if it's made by ATLAS you can be sure of enduring custom quality that will keep its good appearance year after year. Equally important, the hardware will be ATLAS "Quieteez", with the "Dynaseal" principle, to glide your door smoothly, quietly, easily, regardless of the weather.

Note available stock sizes below each design. Top section prepared for glass is standard with all three section doors and with all four section doors 6'6" high. Third section open for glass is standard with all four section doors 7', 7'6", and 8' high. Fourth section open for glass is standard with all five section doors.



The SPARTAN "Lancer" two-car size. Fourth section prepared for glass is standard but can also be supplied as shown. The CHAMPION "Ranchome" would be similar in appearance.

## models, styling and sizes

### the ARGOSY

This quality slimline 1⅜" door for modest budgets has sturdy mortise and tenon joints with 5¼" bottom rail, 3½" top rail, end, and center stiles; 3" intermediate rails and 2½" intermediate stiles; standard gauge hardware with embossed hinges and extension spring counterbalance.

### the SPARTAN

This perfectly proportioned deluxe line is designed to excel all 1⅜" doors. The 5¼" bottom rail; 4½" intermediate rails; 3½" top rail, end, intermediate and center stiles (except "Conquerer" models which have 2½" intermediate stiles) are blind mortise and tenon jointed, waterproof glued and steel dowel pinned under hydraulic pressure. The hardware is extra gauge steel with heavy hinges and extension spring counterbalance. Torsion springs and/or raised panels available when specified.

### the CHAMPION

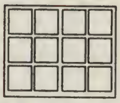
This popular, 1¾" A.L.S. extra-duty lifetime door is a "Champion" indeed. Bottom and top rails are 5¼"; intermediate rails 4½"; end and center stiles are 5¼"; intermediate stiles 2½" (except "Ranchrome" which are 3½"); all blind mortise and tenon jointed, waterproof glued and steel dowel pinned under hydraulic pressure.

The hardware is of extra gauge steel with heavy duty hinges and other parts. Extension spring counterbalance is standard. Torsion Springs and/or raised panels available when specified.

### SPECIAL PANELS and APPLIQUES

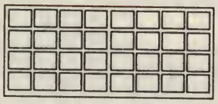
These and many other attractive appliques and mouldings are available for attaching to any door to suit your design objective. Raised panels, plain or with designs carved as shown can be specified in any combination in SPARTAN and CHAMPION doors. You can have your chosen design duplicated in every panel of your door or in only a few of the panels, with the others plain raised panels. The design will stand out dramatically if painted a contrasting color or a more subtle effect may be achieved by painting the door a single pastel color or two mildly contrasting colors.

**SOUTH SHORE**

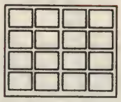


8' x 6'6" & 7'
9' x 6'6" & 7'

**NORTH WOODS**

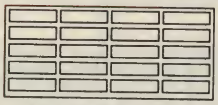


15' x 6'6" & 7'
16' x 6'6" & 7'

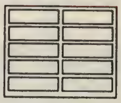


8' x 6'6" & 7'
9' x 6'6" & 7'

**WESTWARD HO**

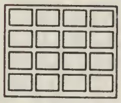


15' x 6'6" & 7'
16' x 6'6" & 7'



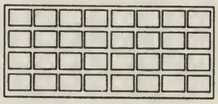
8' x 6'6" & 7'
9' x 6'6" & 7'

**REGENCY**

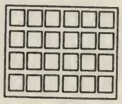


8' x 6'6" & 7'
9' x 6'6" & 7'

**CONQUERER**

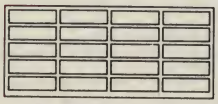


15' x 6'6" & 7'
16' x 6'6" & 7'

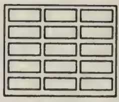


8' x 6'6", 7', 7'6" & 8'
9' x 6'6" & 7'

**LANCER**

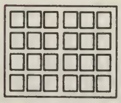


15' x 6'6" & 7'
16' x 6'6" & 7'

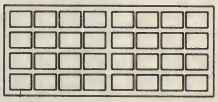


8' x 6'6" & 7'
9' x 6'6" & 7'

**COLONIAL**

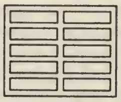


8' x 6'6", 7', 7'6" & 8'
9' x 6'6" & 7'
10' x 6'6" & 7'

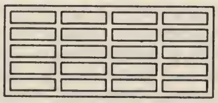


15' x 6'6" & 7'
16' x 6'6" & 7'
18' x 6'6" & 7'

**RANCHOME**

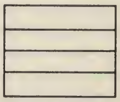


8' x 6'6" & 7'
9' x 6'6" & 7'
10' x 6'6" & 7'

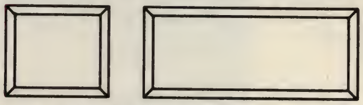


15' x 6'6" & 7'
16' x 6'6" & 7'
18' x 6'6" & 7'

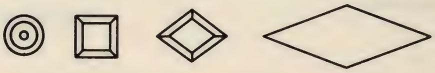
**FLUSH**



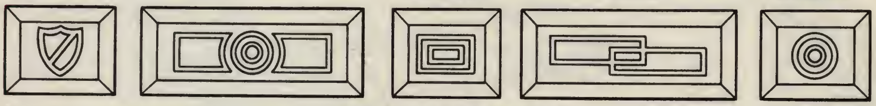
AVAILABLE IN SAME SIZES AS RANCHOME



**PLAIN RAISED PANELS**



**ROUND SQUARE and DIAMOND SHAPE APPLIQUES**



SHIELD PATRICIAN SQUARES LINKS ROSETTE

**RAISED CARVED PANELS**

## MINIMUM REQUIREMENTS

HEADROOM: 13½" minimum required above height of door for standard hardware, but 16" headroom permits best operation and provides room for an ATLAS Electric Operator if desired. By adding Low Headroom Roller Arms, door can be installed in 11¾" headroom OR special track can be specified to allow door to be installed in 9" of headroom (10½" if torsion springs) or, with special double track, in 3½" of headroom. NOTE: Allow 2½" more headroom if ATLAS Electric Operator is to be added. Keep in mind that it is better to have a lower door with greater headroom than the reverse, for easiest operation.

SIDEROOM: 3½" minimum required on each side, 7½" between doors.

for electric operators and radio controls for Residential Doors see over ▶

ATLAS

# *automatic* ELECTRIC OPERATORS

## FOR RESIDENTIAL GARAGES

### ATLAS "Rador" ELECTRIC OPERATORS

There's luxury, step-saving convenience and a new security for you when you ATLAS "Rador" control the operation of your garage door . . . and the garage lighting, too . . . from your car, from your house, or from other convenient locations. Yes, ATLAS "Rador" Electric Operators bring you the thrill and protection of dependable automatic operation. It's just like having your own personal, invisible, 24 hour a day doorman . . . ready, at the touch of a button, to obey your commands.

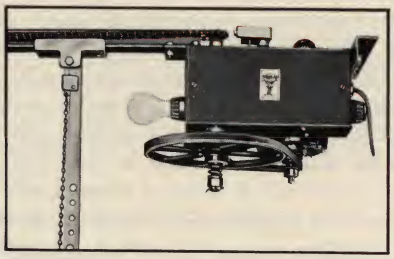
These durable operators are the crowning achievement of many years patient research and are a delight to own. At surprisingly low cost, they save you from weather exposure and getting wet from rain or snow. They light up the garage area to help you avoid accidents and provide prowler protection, too. They give you a snug, comfortable feeling of justified well-being. They're the essence of gracious, modern living.

All ATLAS models offer you these advantages and all are wired for operation on 110 Volts, 60 cycles, single phase AC and have safe, low voltage operated relays, the same as your dial telephone and your thermostatically controlled furnace. Keyed disconnect device is available to permit opening the door manually from the outside in the event of power failure. Extra inside and outside push button and key switch controls may be added as desired. Plus:

### ATLAS "Rador" Radio Control

Consists of a small radio receiver which can be plugged into any of the operators described on this page. One or more matched transmitters, when mounted under the hood of any car (or other 6 or 12 volt battery equipped vehicle) completes the equipment needed for remote operation of the door and lights. A wide choice of frequencies prevents your unit operating or being operated by a nearby unit. ATLAS "Rador" units are the type approved by the Federal Communications Commission. Optional equipment includes transistorized portable hand transmitter which can be carried anywhere and a 110 Volt radio transmitter which can be plugged into any 110 Volt receptacle in your house for operating the door where wiring from garage to house is undesirable.

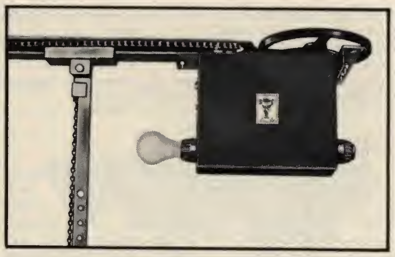
### the ARGOSY



This quality electric operator for modest budgets is exceptionally quiet in operation. Featuring positive roller chain drive, safety friction clutch, adjustable limit switches, built-in automatic light, fuse protection, quick disconnect tow bar to permit hand operation of door in the event of power failure; this fine unit automatically locks the door when closed and includes one 1-button inside control station of the low voltage type. The high torque motor and approved electrical components are completely isolated from the operator frame for maximum safety.

Model AMA-7: For doors to 16 ft. wide, not over 7 ft. high.
Model AMA-8: For doors to 16 ft. wide, not over 8 ft. high.

### the SPARTAN



This superior extra duty electric operator is America's finest for residential garage doors and has enough reserve power to give dependable service, even in light commercial duty. Featuring double reduction for added power and an instinctive sensing device which automatically reverses door travel, causing door to return to the fully open position with the power off if the door encounters an obstruction while closing; it also has quiet, positive roller chain drive, adjustable limit switches, built-in automatic light, quick disconnect tow bar to permit hand operation in event of power failure.

The unique sensing device is mechanical rather than electrical and assures full motor power at all times with extreme sensitivity. This is quite important, particularly in bad weather or when snow or ice prevail.

The Spartan Electric Operator automatically locks the door when closed. Its high torque motor is protected with an indicating manual reset type circuit breaker. It and all of the approved electrical components and circuits are fully isolated from the operator frame for complete safety. One 1-button low voltage inside control is included with each operator.

Model AMS-7: For doors to 18 ft. wide, not over 7 ft. high.
Model AMS-8: For doors to 18 ft. wide, not over 8 ft. high.

**ATLAS OVERHEAD DOOR CO.**

DIVISION OF

**INDUSTRIAL CORPORATION OF AMERICA**

QUAKERTOWN, PENNSYLVANIA

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